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TITLE: 1-Panel lcos engine for field sequential
display

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PATENT-FAMILY:

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KR 406742 B	November 21, 2003	N/A
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APPLICATION-DATA:

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ABSTRACTED-PUB-NO: KR2002039800A

BASIC-ABSTRACT:

NOVELTY - A 1-panel LCoS engine for a field sequential display is provided to reduce response time and improve contrast by applying liquid crystal cells with a narrow interval and low viscosity to OCB mode.

DETAILED DESCRIPTION - A 1-panel LCoS engine for a field sequential display employs OCB mode. The interval between liquid crystal cells(3) in the OCB mode is 2-3 micrometers. The viscosity of liquid crystal of the OCB mode is 7.5-8.0mPas. The liquid crystal is a material represented by chemical formula $R1-A-CF=CF-\underline{Ph}-R2$ where R1 is one of ethyl, propyl, butyl, phentyl and pentene, A is phenyl, and R2 is fluoride. The liquid crystal is a

material represented
by chemical formula $R1-A-CF=CF-\underline{\text{Ph}}-R2$ where R1 is
propyl or phentyl, A is
cyclohexane and R2 is fluoride or chloride.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: PANEL ENGINE FIELD SEQUENCE
DISPLAY

DERWENT-CLASS: P81 U14

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